

WHAT IS CLAIMED IS:

1. A speaker surround arranged between a diaphragm and a frame of a speaker, the speaker surround comprising:

5 a reinforcing member installed inside urethane foam, the reinforcing member being the one with no expansion and contraction upon deformation based on the displacement of the diaphragm.

10 2. The speaker surround according to claim 1, wherein the reinforcing member is a mesh reinforcing member.

3. The speaker surround according to claim 1, wherein the reinforcing member is made of any one of aromatic polyamide fiber, cotton, polyester fiber, olefin fiber and nylon fiber.

15 4. The speaker surround according to claim 1, wherein the reinforcing member comprises any one of plain weave, honeycomb weaving and triaxial weave.

20 5. The speaker surround according to claim 1, wherein the reinforcing member is made of any one of nonwoven fabric and triaxial combined nonwoven fabric.

25 6. A method for producing a speaker surround comprising a mesh reinforcing member inside urethane foam, the method comprising the processes of:

sandwiching the reinforcing member between thermoplastic

resin films; and

fusion bonding the urethane foam and the reinforcing member by hot-press molding.

5           7. The method for producing a speaker surround according to claim 6, wherein the thermoplastic resin film comprises nylon.

8. The method for producing a speaker surround according to claim 6, wherein the thermoplastic resin film comprises ethylene vinyl  
10 acetate copolymer.

9. The method for producing a speaker surround according to claim 6, wherein the thermoplastic resin film comprises polypropylene.

15           10. A method for producing a speaker surround comprising a mesh reinforcing member inside urethane foam, the method comprising the processes of:

impregnating the mesh reinforcing member with urethane resin, acrylic resin, polyvinyl alcohol resin, phenol resin, melamine resin or latex  
20 mixed phenol resin; and

fusion bonding the urethane foam and the reinforcing member by hot-press molding.

11. A method for producing a speaker surround comprising a  
25 mesh reinforcing member inside urethane foam, the method comprising the processes of:

fusing the mesh reinforcing member by hot-press molding; and

fusion bonding the mesh reinforcing member to the urethane foam.

12. A method for producing a speaker surround comprising a mesh reinforcing member inside urethane foam, wherein

the mesh reinforcing member has large weave texture or stitch, and

the method comprises the processes of:

contacting the urethane foam arranged on both sides of the reinforcing member directly to the reinforcing member via the weave texture or stitch; and

fusion bonding the urethane foam on both sides to the reinforcing member by hot-press molding.

13. A method for producing a speaker surround comprising a mesh reinforcing member inside urethane foam, the method comprising the processes of:

applying solvent or emulsion adhesive to urethane;

sandwiching a mesh reinforcing member by the urethane; and

fusion bonding the urethane and reinforcing member by hot-press molding.